

DR. MOHD MAAZ SHAMSI



Mobile: +91-8564926616

Current Address: 108/192 New Model House, Lucknow.

Email: maazshamsi1993@gmail.com

Career Objectives

Analytical and detail-oriented chemist with five years of success in contributing to the production of safe and high-quality products. Excels at manufacturing process authentication through analytical testing, with experience in operating and maintaining lab equipment, including balances, hardness testers, pH meters, etc. Solid grasp of lab health and safety standards, as well as an exceptional research and report writing ability.

Professional Experience

- Demonstrated strong expertise in synthetic organic chemistry, particularly heterocyclic chemistry with a proven record of synthetic problem-solving skills.
- Demonstrated strong expertise in synthetic organic chemistry and medicinal chemistry, with a proven record of problem-solving skills.
- Expertise in Identification Techniques Using Mass, NMR, HPLC, GC and IR.
- High attention to detail, creativity in problem-solving, strong interpersonal skills and proven ability to successfully work independently and as part of teams.
- Strong method development skills and extensive hands-on experience in purification, and characterization.
- Excellent collaboration and communication skills (both written and oral).
- Organization - Exercises good time management and prioritization skills and can successfully manage multiple tasks simultaneously.

Internships

Awarded the internship on the below topics from Biotech park, biotechnology City, Lucknow.

- “Physiochemical analysis of Gomti river water collected from different locations” between 15th June 2016 and 9th July 2016
- “Extraction and physiochemical analysis of Pongamia oil for bio diesel production” between 15th January, 2017 and 14th May’2017

Professional Qualifications

- Completed Ph.D in Applied Chemistry on a topic **(Synthesis Reactivity, Spectroscopic and Supramolecular Studies of Novel Organotellurium Compounds and their Biological Applications)** from Amity University in October 2022.
- Completed Master of Science (Applied Chemistry) in 2017 with first Division.
- Completed “Professional Diploma in Computer Application and Office Management” from LYCOS in Dec’ 2013.
- Completed “Course of Computer Concept” from NIELIT in Dec’ 2013.

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- NIIT Aptitude Certificate from NIIT in Feb' 2013.

Educational Qualifications

- Bachelor of Science from Lucknow Christian Degree College in 2015 with Second Division
- Master of Science from Amity University in 2017 with First Division

Achievements/Awards

- Published the Review article on topic "Organotellurium compounds: from molecular to supramolecular chemistry" in "Asian Journal of Chemistry- Vol. 30, No. 6(2018) 1183-1189" in 20th Feb 2018.

List of Research Papers Published in Various Journals of International Repute

- "Physiochemical Analysis of Gomti River in Lucknow City, Uttar Pradesh". Maaz Shamsi ¹, Sangeeta Bajpai ^{2*}, Monika Kamboj ³. A Journal of Physical Sciences, Engineering and Technology. Vol. **12 (1)**, 2020.
- "Synthesis, Characterization and In-silico Studies of Novel Heterocyclic Organotellurium Dithiocarbamates". **Shamsi M. Maaz.**¹, Bajpai S.^{1*}, Singh A.², Srivastava N.¹ and Pandey G.³ Research Journal of Chemistry and Environment Vol. **25 (5)** May (2021).
- "Novel Dithiocarbamate Complexes of 2-Methyl-1, 1-Diiodo-1-Telluracyclopentane C₄H₇(CH₃)TeI₂: Synthesis, Spectroscopic Characterization, Antibacterial Assay and In-silico Molecular Docking Studies". **Shamsi Maaz Mohd** ^{1*}, Bajpai Sangeeta ^{1*}, Singh Ashok ² and Pandey Garima ³. Research Journal of Chemistry and Environment Vol. **25 (9)** September (2021)".
- Attended the below conferences
 - ✚ Presented the topic "Synthesis and Spectroscopic characterization of Novel heterocyclic organotellurium derivatives" in International Conference on Frontier areas of Chemistry (ICFAC-2020).
 - ✚ Presented the topic "Novel Dithiocarbamate Complexes of 2-Methyl-1, 1-Diiodo-1-Telluracyclopentane C₄H₇(CH₃)TeI₂: Synthesis, Spectroscopic Characterization, Antibacterial Assay and In-silico Molecular Docking Studies". "National Conference on Advancement in Interdisciplinary Research (NCAIR-2021)".

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- ✚ International conference on impact of Environment on Women's Health from Amity University
- Awarded the below certificates
 - ✚ Amity Green Horns Military Training Initiative in 2016.
 - ✚ Symposium on scientific writing and plagiarism in 2017.
 - ✚ Two days workshop on Quantitative techniques using EXCEL & SPSS in 2017
 - ✚ National Workshop on Scientific Writing using Latex in 2018.
 - ✚ International e-Workshop on "Computational approaches in Drug Design and therapeutics"

Training Certificate

Awarded the below training certificates from Amity University in 2017:

- Behavioral Science Course Emphasizing on Various Skills:
 - ✚ Self Development and Interpersonal skills
 - ✚ Professional Competencies and Career Development
 - ✚ Conflict Resolution and Management
- English & Communications Skills
 - ✚ Advanced Communication
 - ✚ Professional Communications Skills
 - ✚ Communication for Employment
- Foreign Language Course
 - ✚ Introduction to German Culture & Language
 - ✚ German Grammar-I
 - ✚ Written Expression and Comprehension in German-I

Computer Skills

Application Software : Ms Office and other office automation Software

Docking Tools (Molecular Docking): Chem Draw Pro 12, Chem 3D Pro 12.0, Pymol, OpenBabel-2.4.1, Autodock 4.2, Avogadro



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PERSONAL DETAILS

Date of Birth	: 7 th June, 1993
Country of Birth	: India
Nationality	: Indian
Language Known	: English
Current/Permanent Address	: 108/192, New Model House, Lucknow
Contact Number	: (+91)-8564926616
Passport No	: N3286093 Valid till 27 th September' 2025
Marital Status	: Single
Email	: maazshamsi1993@gmail.com
